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| Under the              | e Papen      | work Reduction Act               | of 1995 | , no pers      | ons are requi  | red to respond to a                   | collection of info | rmation unl | ess it contains a valid OMB control number.                                  |
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| Substituto             | for For      | n 1449A/PTO                      |         |                |                | Complete                              | if Known           |             |  |
|                        |              |                                  |         |                |                | Application Number Una                |                    | Unas        | signed   |
| INFORMATION DISCLOSURE |              |                                  |         | Filing Date    |                |                                       | d Horowith         |             |  |
| STATEMENT BY APPLICANT |              |                                  |         |                | Rao            | d herewith                            |                    |             |  |
|                        |              |                                  |         | First Named In | ventor<br>———— |                                       |                    |             |  |
|                        |              |                                  |         |                |                | Group Art Unit                        |                    | Unkn        | own '  |
| (use as r              | nany si      | heets as necessa                 | ry)     |                |                | Examiner Name                         | )                  | Unkn        | own  |
| Sheet                  |              | 1                                | of      | 4              |                | Attorney Docket                       | Number             | 201-        | 0400 (FGT 1522PA)  |
| - CHOCK                |              |                                  | 10.     |                | U.S. PA        | TENT DO                               | -                  |             |  |
|                        | T            | U.S. PATENT                      | DOCU    |                |                |                                       | Date of Publi      |             |  |
| Examine<br>r Initials  | Cite<br>No.1 | Kind Code <sup>2</sup><br>Number |         | known)         |                | of Patentee or<br>of Cited Document   | Cited Docu         | ıment       | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant Figures Appear |
| Rm                     | AA           | 3,514,61                         |         | KNOWN          | Huston         | et al                                 | 05/26/             |             | All Columns  |
| 054                    | BB           | 4,257,70                         |         |                | Goodri         |                                       | 03/24/81           |             | 1  |
| 1                      | CC           | 4,381,82                         |         |                | Montar         |                                       | 05/03/8            | 33          |  |
|                        | DD           | 4,623,96                         | 56      |                | O'Sull         | ivan                                  | van 11/18/86       |             |  |
|                        | EE           | 4,638,28                         | 39      |                | Zottni         | k 01/20                               |                    | 37          |  |
|                        | FF           | 4,673,93                         | 37      |                | Davis          |                                       | 06/16/87           |             |  |
|                        | GG           | 4,833,46                         | 59      |                | David          |                                       | 05/23/8            | 39          |  |
|                        | HH           | 4,916,45                         | 50      |                | Davis          |                                       | 04/10/9            | 90          |  |
|                        | II           | 4,969,10                         |         |                | Maekaw         | a                                     | 11/06/9            | 90          |  |
|                        | JJ           | 4,992,94                         |         |                | McCrac         | ken                                   | 02/12/9            | 91          |  |
| oxdot                  | KK           | 4,994,97                         |         |                | Diller         |                                       | 02/19/9            | 91          |  |
| oxdot                  | LL           | 5,040,11                         |         |                | Diller         |                                       | 08/13/9            |             |  |
|                        | MM           | 5,063,60                         |         | _ _            | Burt           |                                       | 11/05/9            | 91          |  |
|                        | NN           | 5,091,72                         |         |                | Shyu           |                                       | 02/25/9            |             |  |
|                        | 00           | 5,162,79                         |         |                | Seith          |                                       | 11/10/9            |             |  |
| $\vdash \vdash$        | PP           | 5,166,88                         |         |                | Akasu          |                                       | 11/24/9            |             |  |
| $\vdash \vdash$        | <u>QQ</u>    | 5,173,85                         |         | $\bot$         | Deerin         |                                       | 12/22/9            |             | ***************************************                                      |
| <u> </u>               | RR           | 5,182,45                         |         |                | Okano          |                                       | 01/26/9            |             |  |
| $\vdash$               | SS           | 5,230,40                         |         |                | T              | mi et al                              | 07/27/9            |             |  |
| $\vdash \vdash$        | TT           | 5,234,07                         |         | _              | Kajiwa         |                                       | 08/10/9            |             |  |
| $\vdash$               | UU           | 5,249,15                         |         |                | Taylor         | · · · · · · · · · · · · · · · · · · · | 09/28/9            |             |  |
| <del></del>            | VV           | 5,307,13                         |         |                | Saniyo         |                                       | 04/26/9            |             |  |
| <del>    -</del>       | WW           | 5,314,03                         |         |                | Shaw e         |                                       | 05/24/9            |             |  |
| <b>├</b> ॅ <b>४</b>    | XX           | 5,430,43                         |         |                | Camhi          |                                       | 07/04/9            |             |  |
| _ M                    | YY           | 5,467,28                         | 33      |                | Butsue         | n et al                               | 11/14/9            | 75          | <b>Y</b>   |

| Examine<br>Initials | Cite<br>No. <sup>1</sup> | Foreign Patent D |  | Foreign Patent Document  Kind Code <sup>5</sup> Number 4 (if known) |  | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYYY | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |  |
|---------------------|--------------------------|------------------|--|---|--|--|---|--|--|
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Butsuen et al Yoshioka et al

Date Examiner hs Signature Considered



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|                                   |                  |        |         | Application Number     | Unassigned Filed Herewith |  |  |
|                                   |                  |        | LOSURE  | Filing Date            |                           |  |  |
| STATI                             | EMEN!            | BY API | PLICANT | First Named Inventor   | Rao                       |  |  |
|                                   |                  |        |         | Group Art Unit         | Unknown                   |  |  |
| (use as many sheets as necessary) |                  |        |         | Examiner Name          | Unknown                   |  |  |
| Sheet                             | 2                | of     | 4       | Attorney Docket Number | 201-0400 (FGT 1522PA)     |  |  |

|                          |              |  | U.S. PATENT DO                                     | CUMENTS  |  |  |  |
|--------------------------|--------------|--|--|--|--|--|--|
| Exami<br>ner<br>Initials | Cite<br>No.1 | U.S. PATENT DOCUMENT  Kind Code <sup>2</sup> Number (if known) | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant Figures Appear |  |  |
| Rin                      | Α            | 5,502,432  | Ohmamyuda et al                                    | 03/26/96   | All lolumns  |  |  |
| Ru                       | В            | 5,521,580  | Kaneko et al                                       | 05/28/96   | 1  |  |  |
|                          | С            | 5,526,269  | Ishibashi et al                                    | 06/11/96   |  |  |  |
|                          | D            | 5,534,870  | Avignon et al                                      | 07/09/96   |  |  |  |
|                          | E            | 5,541,590  | Nishio   | 07/30/96   |  |  |  |
|                          | F            | 5,552,986  | Omura et al  | 09/03/96   |  |  |  |
|                          | G            | 5,572,428  | Ishida et al                                       | 11/05/96   |  |  |  |
|                          | Н            | 5,574,463  | Shirai et al                                       | 11/12/96   |  |  |  |
|                          | I            | 5,594,414  | Namngani   | 01/14/97   |  |  |  |
|                          | J            | 5,602,760  | Chacon et al                                       | 02/11/97   |  |  |  |
|                          | K            | 5,604,683  | Roecker  | 02/18/97   |  |  |  |
|                          | L            | 5,629,847  | Shirakawa et al                                    | 05/13/97   |  |  |  |
|                          | М            | 5,635,922  | Cho et al  | 06/03/97   |  |  |  |
|                          | N            | 5,646,612  | Byon   | 07/08/97   |  |  |  |
|                          | 0            | 5,680,097  | Uemura et al                                       | 10/21/97   |  |  |  |
|                          | P            | 5,684,474  | Gilon et al  | 11/04/97   |  |  |  |
|                          | 0            | 5,689,264  | Ishikawa et al                                     | 11/18/97   |  |  |  |
|                          | R            | 5,699,040  | Matsuda  | 12/16/97   |  |  |  |
|                          | S            | 5,699,057  | Ikeda et al  | 12/16/97   |  |  |  |
| $\perp$                  | T            | 5,710,565  | Shirai et al                                       | 01/20/98   |  |  |  |
|                          | U            | 5,745,870  | Yamamoto et al                                     | 04/28/98   |  |  |  |
|                          | V            | 5,748,477  | Katoh  | 05/05/98   |  |  |  |
|                          | W            | 5,749,426  | Gilling  | 05/12/98   |  |  |  |
|                          | X            | 5,751,211  | Shirai et al                                       | 05/12/98   |  |  |  |
| $\perp$                  | Y            | 5,751,836  | Wildes et al                                       | 05/12/98   |  |  |  |
|                          | Z            | 5,754,099  | Nishimura et al                                    | 05/19/98   |  |  |  |
|                          | 1            | 5,771,481  | Gilling  | 06/23/98   |  |  |  |
|                          | 2            | 5,779,264  | Demesseman et al                                   | 07/14/98   |  |  |  |
|                          | 3            | 5,808,561  | Kinoshita et al                                    | 09/15/98   |  |  |  |
|                          | 4            | 5,815,093  | Kikinis  | 09/29/98   |  |  |  |
|                          | 5            | 5,835,007  | Kosiak   | 11/10/98   |  |  |  |
|                          | 6            | 5,835,873  | Darby et al  | 11/10/98   |  |  |  |
|                          | 7            | 5,838,228  | Clark  | 11/17/98   |  |  |  |
|                          | 8            | 5,847,472  | Byon   | 12/08/98   |  |  |  |
| $\perp$                  | 9            | 5,847,755  | Wixson et al                                       | 12/08/98   |  |  |  |
|                          | 10           | 5,872,536  | Lyons et al  | 02/16/99   |  |  |  |
| 1_                       | 11           | 5,905,457  | Rashid   | 05/18/99   |  |  |  |
| 4_                       | 12           | 5,906,393  | Mazur et al  | 05/25/99   |  |  |  |
|                          | 13           | 5,920,345  | Sauer  | 07/06/99   |  |  |  |
|                          | 14           | 5,926,126  | Engelman   | 07/20/99   |  |  |  |
| *                        | 15           | 5,936,549  | Tsuchiya   | 08/10/99   | Ψ.   |  |  |
| Run                      | 16           | 5,938,714  | Satonaka   | 08/17/99   | ALL Columns  |  |  |
| RM                       | 17           | 5.948.026  | Beemer II et al                                    | 09/07/99   | All Column   |  |  |

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|                                   |                  |        |        | Application Number     | Unassigned            |  |  |
|                                   |                  |        | LOSURE | Filing Date            | Filed Herewith        |  |  |
| STATI                             | EMENT            | BY APP | LICANT | First Named Inventor   |                       |  |  |
|                                   |                  |        |        | Group Art Unit         | Unknown               |  |  |
| (use as many sheets as necessary) |                  |        |        | Examiner Name          | Unknown               |  |  |
| Sheet                             | 3                | of     | 4      | Attorney Docket Number | 201-0400 (FGT 1522PA) |  |  |

|                          |              |   | U.S. PATENT DOC                                    | CUMENTS  | _  |  |  |
|--------------------------|--------------|---|--|--|--|--|--|
| Examin<br>er<br>Initials | Cite<br>No.1 | U.S. PATENT DOCUMENT Kind Code <sup>2</sup> Number (if known) | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant Figures Appear |  |  |
| Rm                       | 18           | 5,949,366   | Herrman  | 09/07/99   | All Colums   |  |  |
| 1                        | 19           | 5,949,918   | McCaffrey  | 09/07/99   |  |  |  |
|                          | 20           | 5,955,967   | Yamada   | 09/21/99   |  |  |  |
|                          | 21           | 5,959,552   | Cho  | 09/28/99   |  |  |  |
|                          | 22           | 5,963,272   | Wixson   | 10/05/99   |  |  |  |
|                          | 23           | 5,964,822   | Alland et al                                       | 10/12/99   |  |  |  |
|                          | 24           | 5,983,161   | Lemelson et al                                     | 11/09/99   |  |  |  |
|                          | 25           | 5,995,037   | Matsuda et al                                      | 11/30/99   |  |  |  |
|                          | 26           | 5,999,117   | Engel  | 12/07/99   |  |  |  |
|                          | 27           | 5,999,874   | Winner et al                                       | 12/07/99   |  |  |  |
|                          | 1A           | 6,002,983   | Alland et al                                       | 12/14/99   |  |  |  |
|                          | 2A           | 6,018,308   | Shirai   | 01/25/00   |  |  |  |
|                          | 3A           | 6,025,797   | Kawai et al  | 02/15/00   |  |  |  |
|                          | 4A           | 6,026,340   | Corrado et al                                      | 02/15/00   |  |  |  |
|                          | 5A           | 6,031,484   | Bullinger et al                                    | 02/29/00   |  |  |  |
|                          | 6A           | 6,037,860   | Zander et al                                       | 03/14/00   |  |  |  |
|                          | 7A           | 6,044,166   | Bassman et al                                      | 03/28/00   |  |  |  |
|                          | 8A           | 6,044,321   | Nakamura et al                                     | 03/28/00   |  |  |  |
|                          | 9A           | 6,049,619   | Anandan et al                                      | 04/11/00   |  |  |  |
|                          | 10A          | 6,061,105   | Sugimoto   | 05/09/00   |  |  |  |
|                          | 11A          | 6,076,028   | Donnelly et al                                     | 06/13/00   |  |  |  |
|                          | 12A          | 6,084,508   | Mai et al  | 07/04/00   |  |  |  |
|                          | 13A          | 6,085,151   | Farmer et al                                       | 07/04/00   |  |  |  |
|                          | 14A          | 6,087,928   | Kleinberg et al                                    | 07/11/00   |  |  |  |
|                          | 15A          | 6,088,639   | Fayyad et al                                       | 07/11/00   |  |  |  |
|                          | 16A          | 6,094,159   | Oterfeld et al                                     | 07/25/00   |  |  |  |
|                          | 17A          | 6,097,332   | Crosby II  | 08/01/00   |  |  |  |
|                          | 18A          | 6,114,951   | Knioshita et al                                    | 09/05/00   |  |  |  |
|                          | 19A          | 6,121,896   | Rahman   | 09/19/00   |  |  |  |
|                          | 20A          | 6,148,943   | Kodaka et al                                       | 11/21/00   |  |  |  |
|                          | 21A          | 6,151,539   | Bergholz et al                                     | 11/21/00   |  |  |  |
|                          | 22A          | 6,157,892   | Hada et al   | 12/05/00   |  |  |  |
|                          | 23A          | 6,161,074   | Sielagoski et al                                   | 12/12/00   |  |  |  |
|                          | 24A          | 6,168,198   | Breed et al  | 01/02/01   |  |  |  |
|                          | 25A          | 6,169,479   | Boran et al  | 01/02/01   |  |  |  |
| $\perp$                  | 26A          | 6,177,866   | O'Connell  | 01/23/01   |  |  |  |
|                          | 27A          | 6,185,490   | Ferquson   | 02/06/01   |  |  |  |
|                          | 1B           | 6,186,539   | Foo et al  | 02/13/01   |  |  |  |
|                          | 2B           | 6,188,316   | Matsuno et al                                      | 02/13/01   |  |  |  |
| 4                        | 3B           | 6,191,704   | Takenaga et al                                     | 02/20/01   |  |  |  |
| RM                       | 4B           | 6,204,756   | Senyk et al  | 03/20/01   | V  |  |  |
| Run                      | 5B           | 6,209,909   | Breed  | 04/03/01   | ALL Columns  |  |  |

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|                                   |                   |        |         | Application Number     | Unassigned            |  |  |
|                                   |                   |        | LOSURE  | Filing Date            | Filed Herewith        |  |  |
| STATI                             | EMENT B           | SY APP | PLICANT | First Named Inventor   | Rao                   |  |  |
|                                   |                   |        |         | Group Art Unit         | Unknown               |  |  |
| (use as many sheets as necessary) |                   |        |         | Examiner Name          | Unknown               |  |  |
| Sheet                             | 4                 | of     | 4       | Attorney Docket Number | 201-0400 (FGT 1522PA) |  |  |

|                          |               |   | U.S. PATENT DO                                     | CUMENTS  |  |
|--------------------------|---------------|---|--|--|--|
| Examin<br>er<br>Initials | Cite<br>No.1  | U.S. PATENT DOCUMENT Kind Code <sup>2</sup> Number (if known) | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant Figures Appear |
| Res                      | 6B            | 6,218,960   | Ishikawa et al                                     | 04/17/01   | ALL Colums   |
|                          | 7B            | 6,219,606   | Wessels et al                                      | 04/17/01   |  |
|                          | 8B            | 6,223,125   | Hall   | 04/24/01   |  |
|                          | 9B 6,225,918  |   | Kam  | 05/01/01   |  |
|                          | 10B 6,226,389 |   | Lemelson et al                                     | 05/01/01   |  |
|                          | 11B 6,229,438 |   | B 6,229,438 Kutlucinar et al 05/08/01              |  |  |
|                          | 12B           | 6,246,961   | Sasaki et al                                       | 06/12/01   |  |
|                          | 13B           | 6,249,738   | Higashimata et al                                  | 06/19/01   | 1/4  |
| <u> </u>                 | 14B           | 6,256,584   | Kodaka et al                                       | 07/03/01   | 7.   |
| Rm                       | 15B           | 6,259,992   | Urai et al   | 07/10/01   | All Colums   |
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| <u></u>             | FOREIGN PATENT DOCUMENTS |   |                    |                                      |  |                              |   |    |  |  |  |
|---------------------|--------------------------|---|--------------------|--------------------------------------|--|------------------------------|---|----|--|--|--|
|                     |                          |   | Foreign Patent Doo | cument                               |  | Date of Publication of       | Pages, Columns,   |    |  |  |  |
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| Rom                 |                          | JP                                      | 54-65934A          |                                      | Mimura et al                                       | 05/28/79                     | pu pages  |    |  |  |  |
| Run                 |                          | EP                                      | 0720928 A2         |                                      | Lucas Industries<br>Public Limited Co.             | 10/07/96                     | 1   |    |  |  |  |
| Rn                  |                          | WO                                      | 98/37435           |                                      | Hittite Microwave                                  | 08/27/98                     |   |    |  |  |  |
| R~                  |                          | wo                                      | 98/58274           |                                      | Cel-siustech                                       | 12/23/98                     | all pages   |    |  |  |  |

| Examiner  | Date       |  |
|-----------|------------|--|
| Signature | Considered |  |

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